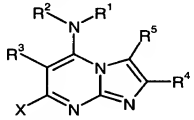
AMENDMENTS TO THE CLAIMS:

Please change the heading at page 37, line 1, from "**Claims**" to --WHAT IS CLAIMED IS:--

The following listing of claims will replace all prior versions of claims in the application.

Claims 1-10 (canceled)

-- Claim 11 (new): An imidazolopyrimidine of formula (I)



(I)

and salts thereof,

in which

R^1 represents H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted alkynyl, optionally substituted cycloalkyl, or optionally substituted heterocyclyl; or represents an organic radical that contains 3 to 13 carbon atoms and one or more silicon atoms and optionally 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, nitrogen, and sulphur and which that is unsubstituted or substituted by 1 to 4 identical or different halogens,

R^2 represents an organic radical that contains 3 to 13 carbon atoms and one or more silicon atoms and optionally 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, nitrogen, and sulphur and which that is unsubstituted or substituted by 1 to 4 identical or different halogens, or

R^1 and R^2 together with the nitrogen atom to which they are attached represent an optionally substituted heterocyclic ring that contains one or more silicon atoms and/or is substituted by one or more radials R^2,

R^3 represents optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted alkyl, optionally substituted alkenyl, optionally

substituted alkynyl, optionally substituted cycloalkyl, optionally substituted aralkyl, halogen, or optionally substituted amino, optionally substituted (C_1-C_8)-alkoxy, optionally substituted (C_1-C_8)-alkylthio, optionally substituted (C_6-C_{10})-aryloxy, optionally substituted (C_6-C_{10})-arylthio, optionally substituted heterocyclyloxy, optionally substituted (C_6-C_{10})-aryl-(C_1-C_4)-alkoxy, optionally substituted (C_6-C_{10})-aryl-(C_1-C_4)-alkylthio, optionally substituted heterocyclyl-(C_1-C_4)-alkoxy, or optionally substituted heterocyclyl-(C_1-C_4)-alkylthio,

R^4 represents H, halogen, optionally halogen-substituted alkyl, or optionally halogen-substituted cycloalkyl,

R^5 represents H, halogen, optionally halogen-substituted alkyl, or optionally halogen-substituted cycloalkyl, and

X represents halogen, cyano, optionally substituted alkyl, optionally substituted alkoxy, or optionally substituted phenyl.

Claim 12 (new): An imidazolopyrimidine of formula (I) according to Claim 11 in which

R^1 represents H; represents alkyl having 1 to 6 carbon atoms that is optionally mono- to pentasubstituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxy, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents alkenyl having 2 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxy, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents alkynyl having 3 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents cycloalkyl having 3 to 8 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen and alkyl having 1 to 4 carbon atoms; represents saturated or unsaturated heterocyclyl having 3 to 8 ring members and 1 to 3 heteroatoms selected from the group consisting of nitrogen, oxygen, and sulphur, where the heterocyclyl is optionally mono- or

disubstituted by halogen, alkyl having 1 to 4 carbon atoms, cyano, and/or cycloalkyl having 3 to 8 carbon atoms; or represents an aliphatic saturated or unsaturated group having 1 to 13 carbon atoms and one or more silicon atoms that optionally contains 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, sulphur, and nitrogen and that is unsubstituted or substituted by 1 to 4 identical or different halogen atoms,

R^2 represents an aliphatic saturated or unsaturated group having 1 to 13 carbon atoms and one or more silicon atoms that optionally contains 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, sulphur, and nitrogen and that is unsubstituted or substituted by 1 to 4 identical or different halogen atoms, or

R^1 and R^2 together with the nitrogen atom to which they are attached represent a saturated or unsaturated heterocyclic ring having 3 to 8 ring members that contains one or more silicon atoms and/or is substituted by one or more radicals R^2, where the heterocycle optionally contains a further nitrogen, oxygen or sulphur atom as ring member and where the heterocycle is optionally substituted up to three times by fluorine, chlorine, bromine, alkyl having 1 to 4 carbon atoms, and/or haloalkyl having 1 to 4 carbon atoms and 1 to 9 fluorine and/or chlorine atoms;

R^3 represents C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_2-C_{10}-alkynyl, C_3-C_8-cycloalkyl, or phenyl-C_1-C_{10}-alkyl, where each such group is unsubstituted or partially or fully halogenated and/or optionally carries one to three radicals R^x; represents C_1-C_{10}-haloalkyl that optionally carries one to three radicals R^x; represents phenyl that is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of halogen, cyano, nitro, amino, hydroxy, formyl, carboxy, carbamoyl, and thiocarbamoyl; of straight-chain or branched alkyl, alkoxy, alkylthio, alkylsulphinyl, and alkylsulphonyl having in each case 1 to 6 carbon atoms, of straight-chain or branched alkenyl and alkenyloxy having in each case 2 to 6 carbon atoms, of straight-chain or branched haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulphinyl, and haloalkylsulphonyl having in each case 1 to 6 carbon atoms and 1 to 13 identical or different halogen atoms, of straight-chain or branched haloalkenyl

and haloalkenyl\oxy having in each case 2 to 6 carbon atoms and 1 to 11 identical or different halogen atoms, of straight-chain or branched alkylamino, dialkylamino, alkylcarbonyl, alkylcarbonyloxy, alkoxycarbonyl, alkylsulphonyl-oxy, hydroximinoalkyl, and alkoximinoalkyl having in each case 1 to 6 carbon atoms in the individual alkyl moieties, of cycloalkyl having 3 to 8 carbon atoms, and of 1,3-propanediyl, 1,4-butanediyl, methylenedioxy (-O-CH_2-O-), and 1,2-ethylenedioxy (-O-CH_2-CH_2-O-), each of which is attached in the 2,3-position and is optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen, alkyl having 1 to 4 carbon atoms, and haloalkyl having 1 to 4 carbon atoms and 1 to 9 identical or different halogen atoms; represents saturated or unsaturated heterocyclyl having 3 to 8 ring members and 1 to 3 heteroatoms selected from the group consisting of nitrogen, oxygen, and sulphur, where the heterocyclyl is optionally mono- or disubstituted by halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, haloalkoxy having 1 to 4 carbon atoms, haloalkylthio having 1 to 4 carbon atoms, cyano, nitro, and/or cycloalkyl having 3 to 6 carbon atoms; or represents C_1-C_8-alkylamino, C_2-C_8-alkenylamino, C_2-C_8-alkynylamino, di-C_1-C_8-alkylamino, di-C_2-C_8-alkenylamino, di-C_2-C_8-alkynylamino, C_2-C_8-alkenyl-(C_2-C_8)-alkynylamino, C_2-C_6-alkynyl-(C_1-C_8)-alkylamino, C_2-C_8-alkenyl-(C_1-C_8)-alkylamino, C_6-C_{10}-arylamino, C_6-C_{10}-aryl-(C_1-C_8)-alkyl-amino, C_6-C_{10}-aryl-(C_1-C_4)-alkyl-(C_1-C_8)-alkylamino, heterocyclyl-(C_1-C_8)-alkylamino, or heterocyclyl-(C_1-C_4)-alkyl-(C_1-C_8)-alkylamino;

where R^x represents cyano, nitro, hydroxy, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_6-cycloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkylthio, C_1-C_6-haloalkylthio, C_1-C_6-alkylsulphinyl, C_1-C_6-haloalkylsulphinyl, C_1-C_6-alkyl-sulphonyl, C_1-C_6-haloalkylsulphonyl, C_1-C_6-alkylamino, di-C_1-C_6-alkylamino, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-alkynyl, or C_3-C_6-alkynyloxy; or represents optionally halogenated oxy-C_1-C_4-alkyl-C_1-C_4-alkenoxy, oxy-C_1-C_4-alkenyl-C_1-C_4-alkoxy, or oxy-C_1-C_4-alkyl-C_1-C_4-alkyloxy,

R^4 represents H, halogen, $(C_1\text{-}C_4)$-alkyl that is unsubstituted or substituted by one or more halogen atoms, or cyclopropyl that is unsubstituted or substituted by one or more halogen atoms,

R^5 represents H, halogen, $(C_1\text{-}C_4)$-alkyl that is unsubstituted or substituted by one or more halogen atoms, or cyclopropyl that is unsubstituted or substituted by one or more halogen atoms, and

X represents H, fluorine, chlorine, bromine, or CN.

Claim 13 (new) An imidazolopyrimidine of formula (I) according to Claim 11 in which

R^1 represents hydrogen, methyl, or ethyl;

R^2 represents a group $Y^2\text{-}Si(O_mCH_3)(O_nCH_3)(O_pY^3)$,

where

m, n, and p independently of one another represent 0 or 1,

Y^2 represents a bond or alkanediyl, alkenediyl, or alkynediyl that are in each case straight-chain or branched, have 1 to 6 and 2 to 6 carbon atoms, are optionally interrupted by one or two non-adjacent oxygen atoms, and are unsubstituted or substituted by 1 to 3 identical or different halogen atoms, and

Y^3 represents straight-chain or branched alkyl or alkenyl that have 1 to 5 and 2 to 5 carbon atoms, are optionally interrupted by an oxygen, nitrogen, or sulphur atom, and are unsubstituted or substituted by 1 to 3 identical or different halogen atoms;

R^3 represents $(C_1\text{-}C_8)$-alkyl, $(C_1\text{-}C_8)$-cycloalkyl, or benzyl; represents phenyl that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, formyl, methyl, ethyl, n- or i-propyl, n-, i-, s-, or t-butyl, allyl, propargyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, methylsulphonyl, ethylsulphonyl, allyloxy, propargyloxy, trifluoromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluorochloromethoxy, trifluoroethoxy, difluoromethylthio, difluorochloro-methylthio, trifluoromethylthio, trifluoromethylsulphinyl, trifluoromethyl-

sulphonyl, trichloroethynyloxy, trifluoroethynyloxy, chloroallyloxy, iodopropargyloxy, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetyl, propionyl, acetyloxy, methoxycarbonyl, ethoxycarbonyl, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, ethoximinomethyl, methoximinoethyl, ethoximinoethyl, cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, of 1,3-propanediyl, 1,4-butanediyl, methylenedioxy (-O-CH_2-O-), and 1,2-ethylenedioxy (-O-CH_2-CH_2-O-), each of which is attached in the 2,3-position and are optionally mono- or polysubstituted by identical or different substituents slected from the group consisting of fluorine, chlorine, methyl, ethyl, n-propyl, i-propyl, and trifluoromethyl; represents pyridyl that is attached in the 2- or 4-position and is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents pyrimidyl that is attached in the 2- or 4-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents thienyl that is attached in the 2- or 3-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents C_1-C_8-alkylamino or di-C_1-C_8-alkylamino; represents thiazolyl that is attached in the 2-, 4-, or 5-position and is optionally mono- or disubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; or represents N-piperidinyl, N-tetrazolyl, N-pyrazolyl, N-imidazolyl, N-1,2,4-triazolyl, N-pyrrolyl, or N-morpholinyl, each of which is unsubstituted or mono- or polysubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio,

hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl,

R^4 represents H, Cl, F, CH_3, $-CH(CH_3)_2$, or cyclopropyl,

R^5 represents H, Cl, F, CH_3, $-CH(CH_3)_2$, or cyclopropyl, and

X represents H, F, Cl, CN, or (C_1-C_4)-alkyl that is unsubstituted or substituted by one or more fluorine or chlorine atoms.

Claim 14 (new): An imidazolopyrimidine of formula (I) according to Claim 11 in which

R^1 represents H;

R^2 represents $SiMe_3$, $SiMe_2Et$, $SiMe_2CHMe_2$, $SiMe_2CH_2CHMe_2$, $SiMe_2CH_2CMe_3$, $SiMe_2OCHMe_2$, $SiMe_2OCH_2CHMe_2$, CH_2SiMe_3, CH_2SiMe_2Et, $CH_2SiMe_2CHMe_2$, $CH_2SiMe_2CH_2CHMe$, CH_2SiMe_2OMe, $CH_2SiMe_2OCHMe_2$, $CH_2SiMe_2OCH_2CHMe_2$, $CHMeSiMe_3$, $CHMeSiMe_2OMe$, $(CH_2)_2SiMe_3$, $(CH_2)_2SiMe_2Et$, $(CH_2)_2SiMe_2CHMe_2$, $(CH_2)_2SiMe_2CMe_3$, $(CH_2)_2SiMe_2CH_2CHMe_2$, $(CH_2)_2SiMe_2CH_2CH_2Me$, $(CH_2)_2SiMe_2CH_2CMe_3$, $(CH_2)_2SiMe_2OCHMe_2$, $(CH_2)_2SiMe_2OCH_2CHMe_2$, $CHMeCH_2SiMe_3$, $CHMeCH_2SiMe_2Et$, $CHMeCH_2SiMe_2CH_2CH_2Me$, $CHMeCH_2SiMe_2CHMe_2$, $CHMeCH_2SiMe_2CMe_3$, $CHMeCH_2SiMe_2CH_2CHMe_2$, $CFMeCH_2SiMe_3$, $CHMeCH_2CH_2SiMe_2OMe$, $CHMeCH_2SiMe_2OCHMe_2$, $CHMeCH_2SiMe_2OCH_2CHMe_2$, $CH_2CHMeSiMe_3$, $CH_2CHMeSiMe_2Et$, $CH_2CHMeSiMe_2CHMe_2$, $CHMeCHMeSiMe_3$, $CMe_2CH_2SiMe_3$, $(CH_2)_3SiMe_3$, $(CH_2)_3SiMe_2Et$, $(CH_2)_3SiMe_2CHMe_2$, $(CH_2)_3SiMe_2CH_2CHMe_2$, $(CH_2)_3SiMe_2OMe$, $(CH_2)_3SiMe_2OCHMe_2$, $(CH_2)_3SiMe_2OCH_2CHMe_2$, $CHMeCH_2CH_2SiMe_3$, $CHMeCH_2CH_2SiMe_2Et$, $CHMeCH_2CH_2SiMe_2CHMe_2$, $CHMeCH_2CH_2CH_2SiMe_2OMe$, $CHMeCH_2CH_2SiMe_2OCHMe_2$, $CMe{=}CHSiMe_3$, $CH_2CH_2SiMe_2OMe$, $-C{\equiv}C\text{-}SiMe_3$, $-CH_2\text{-}C{\equiv}C\text{-}SiMe_3$, or $-CHMe\text{-}C{\equiv}C\text{-}SiMe_3$,

R^3 represents (C_1-C_6)-alkyl, (C_3-$_6$)-alkenyl, (C_3-C_6)-alkynyl, or (C_3-C_8)-cycloalkyl, where each such group is unsubstituted or substituted by one or more fluorine or chlorine atoms; represents 2,4- or 2,6-disubstituted phenyl, 2-substituted phenyl, or 2,4,6-trisubstituted phenyl; represents pyridyl that is attached in the 2- or 4-position and that is optionally mono- to tetrasubstituted by identical or different substituents from the group consisting of fluorine, chlorine, bromine, cyano, methyl, ethyl, methoxy, methylthio, hydroximino-methyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; or represents pyrimidyl that is attached in the 4-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximino-methyl, methoximinoethyl, and trifluoromethyl,

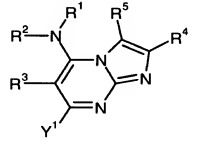
R^4 represents H, $-CH_3$, $-CH(CH_3)_2$, Cl, or cyclopropyl,

R^5 represents H, $-CH_3$, $-CH(CH_3)_2$, Cl or cyclopropyl, and

X represents fluorine, chlorine, (C_1-C_7)-alkyl, or (C_1-C_3)-haloalkyl.

Claim 15 (new): A process for preparing imidazolopyrimidines of the formula (I) according to Claim 11 comprising

(a) for imidazolopyrimidines of formula (I-1)



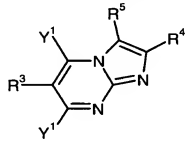
(I-1)

in which

R^1, R^2, R^3, R^4, and R^5 are as defined for formula (I) of Claim 11, and

Y^1 represents halogen,

reacting a haloimidazolopyrimidine of formula (II-1)



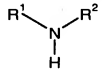
(II-1)

in which

R^3, R^4, and R^5 are as defined for formula (I) of Claim 11, and

Y^1 represents halogen,

with an amine of formula (III)

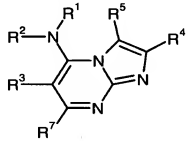


(III)

in which R^1 and R^2 are as defined for formula (I) of Claim 11, optionally in the presence of a diluent, optionally in the presence of an acid acceptor, and optionally in the presence of a catalyst,

or

(b) for imidazolopyrimidines of formula (I-2)



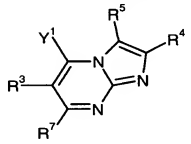
(I-2)

in which

R^1, R^2, R^3, R^4, and R^5 are as defined for formula (I) of Claim 11, and

R^7 represents optionally substituted alkyl or optionally substituted phenyl,

reacting a haloimidazolopyrimidine of formula (II-2)



(II-2)

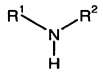
in which

R^3, R^4, and R^5 are as defined for formula (I) of Claim 11,

Y^1 represents halogen, and

R^7 represents optionally substituted alkyl or optionally substituted phenyl,

with an amine of formula (III)

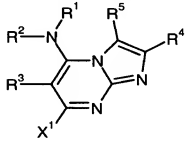


(III)

in which R^1 and R^2 are as defined for formula (I) of Claim 11, optionally in the presence of a diluent, optionally in the presence of an acid acceptor, and optionally in the presence of a catalyst,

or

(c) for imidazolopyrimidines of formula (I-3)



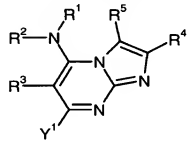
(I-3)

in which

R^1, R^2, R^3, R^4, and R^5 are as defined for formula (I) of Claim 11, and

X^1 represents cyano or optionally substituted alkoxy,

reacting an imidazolopyrimidine of formula (I-1)



(I-1)

in which

R^1, R^2, R^3, R^4, and R^5 are as defined for formula (I) of Claim 11, and

Y^1 represents halogen,

with a compound of formula (IX),

$M\text{-}X^1$ (IX)

in which

M represents ammonium, tetraalkylammonium, an alkali metal cation, or an alkaline earth metal cation, and

X^1 represents cyano, alkoxy, or substituted alkoxy.

Claim 16 (new): A composition for controlling unwanted microorganisms comprises one or more imidazolopyrimidines of formula (I) according to Claim 11 and one or more extenders and/or surfactants.

Claim 17 (new): A composition according to Claim 16 additionally comprising one or more further agrochemically active compounds.

Claim 18 (new): A method for controlling unwanted microorganisms comprising applying an effective amount of an imidazolopyrimidine of formula (I) according to Claim 11 to the unwanted microorganisms and/or their habitats.

Claim 19 (new): A process for preparing a composition for controlling unwanted microorganisms comprising mixing one or more imidazolopyrimidines of formula (I) according to Claim 11 with one or more extenders and/or surfactants. --